

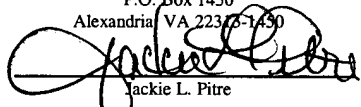


PATENT
TH1990

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/841,493
Confirmation No.: 4047
Filing Date: April 24, 2001
Inventors: de Rouffignac et al.
Title: IN SITU THERMAL
PROCESSING OF A COAL
FORMATION USING A
MOVABLE HEATING
ELEMENT

§ Examiner: J. J. Kreck
§ Art Unit: 3673
§ Atty. Dkt. No.: 5659-06500/EBM

<p>CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8 DATE OF DEPOSIT: 8-13-03 I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to: Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450  Jackie L. Pitre</p>
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REQUEST FOR SIGNED ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

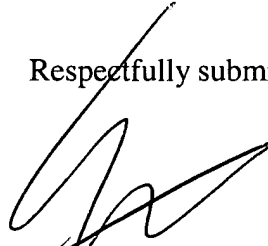
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Sir:

Applicant notes that the Examiner has not acknowledged receipt of all of the Information Disclosure Statements filed for the above captioned application. Applicant has attached the unacknowledged electronic Information Disclosure Statements (references P01-P-16 and U-01 sent on 02/28/2003; received by the PTO on 02/28/2003, as indicated on the acknowledgement receipt from the PTO; EFS ID 23887, timestamp Fri Feb 28 13:11:37 EST 2003 and references 1-7 sent on 06/19/2003, received by the PTO on 6/19/2003, as indicated on the acknowledgement receipt from the PTO, EFS IDS 42166, timestamp 2003-06-19 19:15:17 EDT). Applicant respectfully requests signed, initialed copies of the electronic Information Disclosure Statements, previously submitted for the above captioned application.

Inventors: de Rouffignac et al.
Appl. Ser. No.: 09/841,493
Atty. Dckt. No.: 5659-06500

Respectfully submitted,



Eric B. Meyertons
Reg. No. 34,876

Attorney for Applicant

MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C.
P.O. BOX 398
AUSTIN, TX 78767-0398
(512) 853-8800(voice)
(512) 853-8801 (facsimile)

Date: 8-13-03

Acknowledgment Rec ipt

SUBMISSION TYPE: Information Disclosure Statement

APPLICATION NUMBER: 09841493

FIRST NAMED INVENTOR: Eric deRouffignac

TITLE OF INVENTION: IN SITU THERMAL PROCESSING OF A COAL FORMATION

USING A MOVABLE HEATING ELEMENT

ATTORNEY DOCKET NUMBER: 5659-06500

FILE LISTING:

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fee-transmittal	e-feetra.xsl	15388 Bytes
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EFS ID: 23887

FILE SIZE: 28476 Bytes

TIMESTAMP: Fri Feb 28 13:11:37 EST 2003

MESSAGE DIGEST: +wi/HeXzz5VdmJ7z51XOLQ==

DIGITAL CERTIFICATE HOLDER NAME: cn=Eric B. Meyertons, ou=Registered Attorneys

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Electronic Information Disclosure Statement

IN SITU THERMAL PROCESSING OF A COAL FORMATION USING A MOVABLE HEATING ELEMENT

Application: *09/841493*

09/841493

Confirmation: 4047

Applicant(s): Eric deRouffignac

Docket
Number: 5659-06500

Group Art

Unit:

Examiner: Kreck, J. J.

search string: (4087130 or 4537252 or re30019 or 2623596 or 3775185 or 4524113 or 5284878 or 5767584 or 5955039 or 4091869 or 4513816 or 0094813 or 5008085 or 4099567 or 0048994 or 6485232 or 20020018697).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
	P01	4087130	1978-05-02	*4087130*	Garrett		
	P02	4537252	1985-08-27	*4537252*	Puri		
	P03	re30019	1979-06-05	*re30019*	Lindquist		
	P04	2623596	1952-12-30	*2623596*	Whorton et al.		
	P05	3775185	1973-11-27	*3775185*	Kunz et al.		
	P06	4524113	1985-06-18	*4524113*	Lesieur		

	P07	5284878	1994-02-08	*5284878*	Studer et al.
	P08	5767584	1998-06-16	*5767584*	Gore et al.
	P09	5955039	1999-09-21	*5955039*	Dowdy
	P10	4091869	1978-05-30	*4091869*	Hoyer
	P11	4513816	1985-04-30	*4513816*	Hubert
	P12	0094813	1869-09-14	*0094813*	Dickey
	P13	5008085	1991-04-16	*5008085*	Bain et al.
	P14	4099567	1978-07-11	*4099567*	Terry
	P15	0048994	1865-07-25	*0048994*	Parry
	P16	6485232	2002-11-26	*6485232*	Vinegar et al.

Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
	U01	20020018697	2002-02-14	*20020018697*	Vinegar et al.		

Remarks

(Remarks are not for responding to an office action.)

Please note: Foreign patent documents and non-patent references will be sent using a standard PTO-1449 form.

Signature

Examiner Name	Date

**UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

**Title of
Invention**

**IN SITU THERMAL PROCESSING OF A COAL FORMATION USING
A MOVABLE HEATING ELEMENT**

Submission Type: Information Disclosure Statement

Application Number: 09/841493

09/841493

EFS ID: 42166

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	4047
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-06500

Timestamp: 2003-06-19 19:15:17 EDT

From: us

File Listing:

Doc. Name	File Name	Size (Byt s)
us-fee-sheet	O1-O2-S1-S4-usfees.xml	1664
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us-fee-sheet	us-fee-sheet.dtd	10901
us-ids	O1-O2-S1-S4-usidst.xml	1937
us-ids	us-ids.dtd	7763
us-ids	us-ids.xsl	12026
package-data	O1-O2-S1-S4-pkda.xml	2271
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package-data	us-package-data.xsl	19263
Total files size		107762

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

**Title of
Invention**

**IN SITU THERMAL PROCESSING OF A COAL FORMATION
USING A MOVABLE HEATING ELEMENT**

Application Number: 09/841493

09/841493

Confirmation Number: 4047

First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-06500

Art Unit: 3673

Examiner: John J. Kreck

Search string: (3477058 or 3580987 or 3026940 or 3947683 or 3285335 or
3456721 or 0048994).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3477058	1968-11-04	Vedder et al.			
	2	3580987	1971-05-25	Priaroggia			
	3	3026940	1962-03-27	Spitz			
	4	3947683	1976-03-30	Schultz et al.			
	5	3285335	1966-11-15	Reistle			
	6	3456721	1969-07-22	Smith			
	7	0048994	1865-07-25	Perry			

Signature

Examiner Name	Date



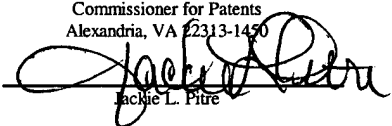
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§ Atty. Dkt. No.: 5659-06500
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<p>CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8</p> <p>DATE OF DEPOSIT: <u>8-13-03</u></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to:</p> <p>Commissioner for Patents Alexandria, VA 22313-1450</p> <p> Jackie L. Piere</p>
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INFORMATION DISCLOSURE STATEMENT

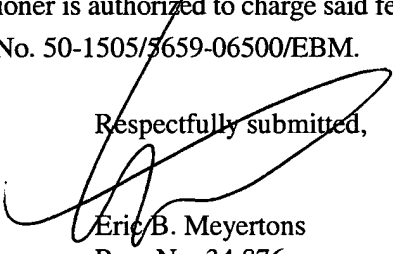
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 (T01-T12) be considered by the Examiner and made of record. Copies of the listed documents are enclosed for the convenience of the Examiner.

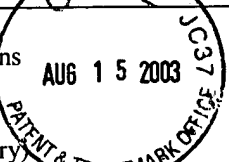
Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5659-06500/EBM.

Respectfully submitted,


Eric B. Meyertons
Reg. No. 34,876
Attorney for Applicants

MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C.
P.O. Box 398
Austin, Texas 78767-0398
Ph: (512) 853-8800
Fax: (512) 853-8801
Date: 8-13-03

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Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DKT. NO. 5659-06500 APPLICANT: de Rouffignac et al. FILING DATE: April 24, 2001	SERIAL NO. 09/841,493 GROUP: 3673
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FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	T01	1836876	12/30/1994	SU			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	T02	Burnham, Alan, K. "Oil Shale Retorting Dependence of timing and composition on temperature and heating rate", January 27, 1995, (23 pages).
	T03	Burnham et al. "A Possible Mechanism of Alkene/Alkane Production in Oil Shale Retorting, (7 pages).
	T04	Campbell, et al., "Kinetics of oil generation from Colorado Oil Shale" IPC Business Press, Fuel, 1978, (3 pages).
	T05	Cummins et al. "Thermal Degradation of Green River Kerogen at 150° to 350 °C", Report of Investigations 7620, U.S. Government Printing Office, 1972, (pages 1-15).
	T06	Cook, et al. "The Composition of Green River Shale Oils", United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-23).
	T07	Hill et al., "The Characteristics of a Low Temperature in situ Shale Oil" American Institute of Mining, Metallurgical & Petroleum Engineers, 1967 (pages 75-90)..
	T08	Dinneen, et al. "Developments in Technology for Green River Oil Shale" United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-20).
	T09	De Rouffignac, E. "In Situ Resistive Heating of Oil Shale for Oil Production-A Summary of the Swedish Data, (4 pages).
	T10	Dougan, et al. "The Potential for in situ Retorting of Oil Shale in the Piceance Creek Basin of Northwestern Colorado", Quarterly of the Colorado School of Mines (pages 57-72).
	T11	Hill et al. "Direct Production of Low Pour Point High Gravity Shale Oil" I&EC Product Research and Development, 1967, Volume 6, (pages 52-59).
	T12	Yen et al., "Oil Shale" Developments in Petroleum Science, 5, Elsevier Scientific Publishing Co., 1976 (pages 187-198).

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EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.